



## RAW SEQUENCE LISTING ERROR REPORT

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) detected errors when processing the following computer readable form:

Application Serial Number: 10/605,452  
Source: O/PE  
Date Processed by STIC: 10/11/2003

THE ATTACHED PRINTOUT EXPLAINS DETECTED ERRORS.

PLEASE FORWARD THIS INFORMATION TO THE APPLICANT BY EITHER:

- 1) INCLUDING A COPY OF THIS PRINTOUT IN YOUR NEXT COMMUNICATION TO THE APPLICANT, WITH A NOTICE TO COMPLY or,
- 2) TELEPHONING APPLICANT AND FAXING A COPY OF THIS PRINTOUT, WITH A NOTICE TO COMPLY

FOR CRF SUBMISSION AND PATENTIN SOFTWARE QUESTIONS, PLEASE CONTACT MARK SPENCER, 703-308-4212.

TO REDUCE ERRORED SEQUENCE LISTINGS, PLEASE USE THE CHECKER  
VERSION 4.0 PROGRAM, ACCESSIBLE THROUGH THE U.S. PATENT AND  
TRADEMARK OFFICE WEBSITE. SEE BELOW FOR ADDRESS:

<http://www.uspto.gov/web/offices/pac/checker>

Applicants submitting genetic sequence information electronically on diskette or CD-Rom should be aware that there is a possibility that the disk/CD-Rom may have been affected by treatment given to all incoming mail.

Please consider using alternate methods of submission for the disk/CD-Rom or replacement disk/CD-Rom.

Any reply including a sequence listing in electronic form should NOT be sent to the 20231 zip code address for the United States Patent and Trademark Office, and instead should be sent via the following to the indicated addresses:

1. EFS-Bio (<http://www.uspto.gov/efc/efs/downloads/documents.htm>), EFS Submission User Manual - ePAVE)
2. U.S. Postal Service: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450
3. Hand Carry directly to:  
U.S. Patent and Trademark Office, Technology Center 1600, Reception Area, 7<sup>th</sup> Floor, Examiner Name, Sequence Information, Crystal Mall One, 1911 South Clark Street, Arlington, VA 22202  
Or  
U.S. Patent and Trademark Office, Box Sequence, Customer Window, Lobby, Room 1B03, Crystal Plaza Two, 2011 South Clark Place, Arlington, VA 22202
4. Federal Express, United Parcel Service, or other delivery service to: U.S. Patent and Trademark Office, Box Sequence, Room 1B03-Mailroom, Crystal Plaza Two, 2011 South Clark Place, Arlington, VA 22202

Revised 04/24/2003



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RAW SEQUENCE LISTING

PATENT APPLICATION: US/10/605,452

DATE: 10/01/2003

TIME: 08:08:23

Input Set : N:\efs\10605452\10605452.txt

Output Set: N:\CRF4\10012003\J605452.raw

```

1050 Cys Ala Thr Thr Gly Gly Thr Cys Cys Cys Ala Gly Gly Cys Thr
1051      3905                               3910                3915
1054 Cys Thr Cys Ala Ala Ala Ala Thr Ala Gly Thr Gly Cys Ala Gly
1055      3920                               3925                3930
1058 Cys Cys Thr Cys Thr Thr Cys Thr Thr Cys Cys Cys Ala Ala Gly
1059      3935                               3940                3945
1062 Cys Thr Cys Thr Gly Gly Gly Gly Thr Gly Cys Ala Cys Cys Cys
1063      3950                               3955                3960
1066 Thr Gly Thr Gly Thr Cys Cys Thr Thr Gly Gly Thr Thr Ala Cys
1067      3965                               3970                3975
1070 Cys Ala Gly Gly Ala Gly Ala Cys Thr Ala Gly Gly Gly Thr Thr
1071      3980                               3985                3990
1074 Gly Thr Gly Ala Thr Ala Thr Cys Thr Thr Thr Thr Cys Thr Thr
1075      3995                               4000                4005
1078 Gly Thr Cys Thr Thr Gly Cys Thr Thr Thr Thr Thr Gly Ala Thr
1079      4010                               4015                4020
1082 Ala Thr Ala Thr Cys Ala Gly Gly Ala Thr Thr Ala Ala Thr Gly
1083      4025                               4030                4035
1086 Thr Ala Gly Gly Ala Ala Ala Cys Cys Ala Gly Ala Cys Cys Thr
1087      4040                               4045                4050
1090 Ala Gly Ala Thr Thr Ala Thr Thr Cys Ala Gly Gly Ala Gly Ala
1091      4055                               4060                4065
1094 Gly Thr Ala Gly Gly Thr Ala Thr Ala Thr Cys Cys Cys Cys Thr
1095      4070                               4075                4080
1098 Gly Thr Gly Thr Thr Thr Cys Cys Cys Ala Gly Thr Cys Thr Gly
1099      4085                               4090                4095
1102 Ala Gly Thr Gly Ala Cys Cys Ala Ala Thr Ala Ala Ala Ala Thr
1103      4100                               4105                4110
1106 Thr Gly Thr Gly Cys Cys Thr Thr Thr Cys Thr Ala
1107      4115                               4120                4125

```

1110 <210> SEQ ID NO: 2

1111 <211> LENGTH: 3942

1112 <212> TYPE: PRT

1113 <213> ORGANISM: Mouse

><2207 insert

1114 <223> OTHER INFORMATION: Alternate form of the Mouse s-SHIP sequence of the SHIP isoform.

OK> 1116 <400> SEQUENCE: 2

```

1118 Gly Thr Thr Cys Cys Cys Ala Cys Thr Ala Gly Thr Thr Gly Thr Thr
1119 1      5      10      15
1122 Gly Ala Ala Cys Thr Thr Thr Ala Cys Cys Thr Thr Gly Ala Ala Cys
1123      20      25      30
1126 Cys Thr Cys Thr Gly Cys Thr Cys Cys Cys Ala Gly Gly Gly Ala Ala
1127      35      40      45
1130 Gly Thr Cys Ala Thr Cys Ala Gly Gly Ala Cys Thr Cys Thr Gly Cys
1131      50      55      60
1134 Cys Ala Thr Cys Cys Cys Thr Gly Gly Ala Gly Thr Cys Thr Cys Thr
1135 65      70      75      80
1138 Gly Cys Ala Gly Ala Gly Gly Thr Thr Gly Thr Thr Thr Gly Ala Cys
1139      85      90      95
1142 Cys Ala Ala Cys Ala Gly Cys Thr Cys Thr Cys Cys Cys Cys Ala Gly

```

only the  
erored  
portion of  
sequence 2  
shown

## RAW SEQUENCE LISTING

PATENT APPLICATION: US/10/605,452

DATE: 10/01/2003

TIME: 08:08:23

Input Set : N:\efs\10605452\10605452.txt

Output Set: N:\CRF4\10012003\J605452.raw

2123        3830                                3835                                3840  
 2126 Thr Cys Ala Gly Gly Ala Thr Thr Ala Ala Thr Gly Thr Ala Gly  
 2127        3845                                3850                                3855  
 2130 Gly Ala Ala Ala Cys Cys Ala Gly Ala Cys Cys Thr Ala Gly Ala  
 2131        3860                                3865                                3870  
 2134 Thr Thr Ala Thr Thr Cys Ala Gly Gly Ala Gly Ala Gly Thr Ala  
 2135        3875                                3880                                3885  
 2138 Gly Gly Thr Ala Thr Ala Thr Cys Cys Cys Cys Thr Gly Thr Gly  
 2139        3890                                3895                                3900  
 2142 Thr Thr Thr Cys Cys Cys Ala Gly Thr Cys Thr Gly Ala Gly Thr  
 2143        3905                                3910                                3915  
 2146 Gly Ala Cys Cys Ala Ala Thr Ala Ala Ala Ala Thr Thr Gly Thr  
 2147        3920                                3925                                3930  
 2150 Gly Cys Cys Thr Thr Thr Cys Thr Ala  
 2151        3935                                3940  
 2154 <210> SEQ ID NO: 3  
 2155 <211> LENGTH: 4147  
 2156 <212> TYPE: PRT  
 2157 <213> ORGANISM: Human *><2207 insert*  
 2158 <223> OTHER INFORMATION: Sequence of the human s-SHIP isoform of SHIP.  
 ✶-> 2160 <400> SEQUENCE: 3  
 2162 Cys Gly Cys Cys Cys Ala Cys Thr Ala Ala Thr Cys Cys Thr Thr Gly  
 2163 1                                5                                10                                15  
 2166 Ala Thr Gly Thr Thr Cys Ala Cys Cys Thr Thr Gly Thr Cys Cys Cys  
 2167                                20                                25                                30  
 2170 Cys Thr Gly Cys Cys Cys Cys Cys Ala Gly Ala Gly Ala Ala Gly Thr  
 2171                                35                                40                                45  
 2174 Cys Ala Thr Cys Cys Gly Gly Ala Cys Cys Cys Thr Cys Cys Cys Ala  
 2175                                50                                55                                60  
 2178 Thr Cys Cys Cys Thr Gly Gly Ala Gly Thr Cys Thr Cys Thr Gly Cys  
 2179 65                                70                                75                                80  
 2182 Ala Gly Ala Gly Gly Thr Thr Ala Thr Thr Gly Ala Cys Cys Ala  
 2183                                85                                90                                95  
 2186 Gly Cys Ala Gly Cys Thr Cys Thr Cys Cys Cys Cys Gly Gly Gly Cys  
 2187                                100                                105                                110  
 2190 Cys Thr Cys Cys Gly Thr Cys Cys Ala Cys Gly Thr Cys Cys Thr Cys  
 2191                                115                                120                                125  
 2194 Ala Gly Gly Thr Thr Cys Cys Thr Gly Gly Thr Gly Ala Gly Gly Cys  
 2195                                130                                135                                140  
 2198 Cys Ala Ala Thr Cys Cys Cys Ala Thr Cys Ala Ala Cys Ala Thr Gly  
 2199 145                                150                                155                                160  
 2202 Gly Thr Gly Thr Cys Cys Ala Ala Gly Cys Thr Cys Ala Gly Cys Cys  
 2203                                165                                170                                175  
 2206 Ala Ala Cys Thr Gly Ala Cys Ala Ala Gly Cys Cys Thr Gly Thr Thr  
 2207                                180                                185                                190  
 2210 Gly Thr Cys Ala Thr Cys Cys Ala Thr Thr Gly Ala Ala Gly Ala Cys  
 2211                                195                                200                                205  
 2214 Ala Ala Gly Gly Thr Cys Ala Ala Gly Gly Cys Cys Thr Thr Gly Cys  
 2215                                210                                215                                220

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RAW SEQUENCE LISTING

PATENT APPLICATION: US/10/605,452

DATE: 10/01/2003

TIME: 08:08:23

Input Set : N:\efs\10605452\10605452.txt

Output Set: N:\CRF4\10012003\J605452.raw

```

3198 Gly Thr Gly Gly Cys Thr Thr Thr Cys Ala Gly Cys Thr Cys Thr
3199      3950      3955      3960
3202 Gly Cys Thr Thr Cys Cys Thr Thr Gly Gly Thr Thr Ala Thr Thr
3203      3965      3970      3975
3206 Ala Gly Gly Ala Gly Ala Ala Thr Ala Gly Ala Thr Gly Gly Gly
3207      3980      3985      3990
3210 Thr Gly Ala Thr Gly Thr Cys Thr Thr Thr Cys Cys Thr Thr Ala
3211      3995      4000      4005
3214 Thr Gly Thr Thr Gly Cys Thr Thr Thr Thr Thr Cys Ala Ala Cys
3215      4010      4015      4020
3218 Ala Thr Ala Gly Cys Ala Gly Ala Ala Thr Thr Ala Ala Thr Gly
3219      4025      4030      4035
3222 Thr Ala Gly Gly Gly Ala Gly Cys Thr Ala Ala Ala Thr Cys Cys
3223      4040      4045      4050
3226 Ala Gly Thr Gly Gly Thr Gly Thr Gly Thr Gly Thr Gly Ala Ala
3227      4055      4060      4065
3230 Thr Gly Cys Ala Gly Ala Ala Gly Gly Gly Ala Ala Thr Gly Cys
3231      4070      4075      4080
3234 Ala Cys Cys Cys Cys Ala Cys Ala Thr Thr Cys Cys Cys Ala Thr
3235      4085      4090      4095
3238 Gly Ala Thr Gly Gly Ala Ala Gly Thr Cys Thr Gly Cys Gly Thr
3239      4100      4105      4110
3242 Ala Ala Cys Cys Ala Ala Thr Ala Ala Ala Thr Thr Gly Thr Gly
3243      4115      4120      4125
3246 Cys Cys Thr Thr Thr Cys Thr Cys Ala Cys Thr Cys Ala Ala Ala
3247      4130      4135      4140
3250 Ala Cys Cys Cys
3251      4145

```

3254 <210> SEQ ID NO: 4

3255 <211> LENGTH: 457

3256 <212> TYPE: PRT

3257 <213> ORGANISM: Mouse

3258 <223> OTHER INFORMATION: Promoter region of the mouse s-SHIP.

OK->

3260 <400> SEQUENCE: 4

```

3262 Ala Ala Gly Cys Thr Gly Ala Thr Gly Thr Cys Ala Cys Thr Gly Cys
3263 1      5      10      15
3266 Thr Cys Thr Gly Cys Ala Ala Gly Gly Ala Gly Cys Thr Cys Cys Ala
3267      20      25      30
3270 Thr Gly Gly Gly Thr Ala Ala Cys Gly Gly Ala Gly Ala Gly Cys Cys
3271      35      40      45
3274 Cys Thr Gly Ala Gly Ala Gly Ala Gly Gly Gly Thr Gly Gly Gly
3275      50      55      60
3278 Gly Gly Ala Gly Cys Thr Thr Cys Ala Thr Gly Gly Gly Thr Ala Ala
3279 65      70      75      80
3282 Thr Gly Gly Gly Ala Gly Cys Cys Cys Cys Thr Ala Cys Cys Cys Ala
3283      85      90      95
3286 Cys Cys Cys Ala Gly Gly Ala Gly Gly Ala Thr Gly Gly Cys Cys Ala
3287      100     105     110
3290 Cys Ala Gly Cys Ala Ala Gly Ala Gly Ala Ala Ala Gly Thr Gly Cys

```

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RAW SEQUENCE LISTING

PATENT APPLICATION: US/10/605,452

DATE: 10/01/2003

TIME: 08:08:23

Input Set : N:\efs\10605452\10605452.txt

Output Set: N:\CRF4\10012003\J605452.raw

3291 115 120 125  
3294 Thr Cys Ala Thr Thr Ala Gly Ala Gly Thr Gly Ala Cys Cys Cys Thr  
3295 130 135 140  
3298 Gly Gly Gly Thr Cys Thr Cys Cys Thr Cys Thr Cys Thr Gly Thr Cys  
3299 145 150 155 160  
3302 Cys Ala Gly Ala Thr Gly Thr Cys Thr Cys Thr Gly Cys Ala Gly Cys  
3303 165 170 175  
3306 Ala Cys Thr Cys Ala Cys Ala Gly Thr Ala Ala Thr Thr Gly Gly Cys  
3307 180 185 190  
3310 Cys Cys Ala Gly Gly Thr Gly Gly Ala Gly Thr Cys Thr Gly Gly Ala  
3311 195 200 205  
3314 Ala Thr Gly Thr Thr Cys Cys Ala Gly Gly Cys Thr Thr Gly Thr Thr  
3315 210 215 220  
3318 Gly Gly Ala Ala Gly Cys Thr Cys Thr Thr Gly Cys Thr Cys Thr Cys  
3319 225 230 235 240  
3322 Ala Thr Ala Gly Ala Ala Thr Cys Thr Gly Ala Gly Cys Thr Cys Thr  
3323 245 250 255  
3326 Ala Ala Cys Thr Gly Ala Gly Cys Thr Gly Gly Gly Ala Ala Ala Gly  
3327 260 265 270  
3330 Thr Thr Gly Ala Thr Cys Ala Thr Thr Thr Gly Thr Thr Thr Ala Thr  
3331 275 280 285  
3334 Thr Cys Cys Thr Thr Thr Thr Ala Gly Gly Gly Thr Ala Thr Thr Gly  
3335 290 295 300  
3338 Gly Gly Gly Gly Gly Gly Cys Ala Cys Gly Gly Ala Thr Gly Thr Ala  
3339 305 310 315 320  
3342 Thr Gly Cys Ala Thr Gly Cys Thr Gly Gly Thr Ala Thr Gly Thr Ala  
3343 325 330 335  
3346 Thr Gly Cys Ala Thr Gly Cys Thr Gly Gly Gly Gly Ala Thr Gly Thr  
3347 340 345 350  
3350 Ala Gly Gly Gly Cys Cys Thr Cys Ala Thr Gly Thr Gly Thr Gly Cys  
3351 355 360 365  
3354 Thr Ala Ala Ala Thr Ala Cys Ala Thr Gly Thr Gly Cys Cys Thr Ala  
3355 370 375 380  
3358 Thr Thr Cys Thr Gly Thr Ala Ala Thr Gly Thr Thr Thr Thr Cys Thr  
3359 385 390 395 400  
3362 Thr Gly Thr Thr Thr Gly Thr Thr Thr Thr Thr Ala Ala Cys Thr Cys  
3363 405 410 415  
3366 Ala Ala Ala Thr Thr Ala Ala Thr Thr Ala Gly Ala Gly Gly Cys Ala  
3367 420 425 430  
3370 Gly Thr Thr Thr Cys Thr Cys Thr Gly Thr Thr Thr Ala Cys Cys Ala  
3371 435 440 445  
3374 Gly Cys Cys Cys Gly Gly Gly Cys Cys  
3375 450 455

3378 <210> SEQ ID NO: 5

3379 <211> LENGTH: 938

3380 <212> TYPE: PRT

3381 <213> ORGANISM: Mouse

3382 <223> OTHER INFORMATION: Promoter region of the mouse s-SHIP

><220> insert

OK-> 3384 <400> SEQUENCE: 5

6

RAW SEQUENCE LISTING

PATENT APPLICATION: US/10/605,452

DATE: 10/01/2003

TIME: 08:08:23

Input Set : N:\efs\10605452\10605452.txt

Output Set: N:\CRF4\10012003\J605452.raw

```

3582 Cys Gly Gly Gly Gly Thr Cys Thr Gly Gly Gly Cys Cys Ala Gly Gly
3583 785 790 795 800
3586 Ala Thr Gly Ala Cys Gly Gly Gly Cys Cys Ala Ala Cys Thr Ala Thr
3587 805 810 815
3590 Cys Thr Thr Thr Gly Cys Cys Cys Gly Gly Gly Cys Thr Thr Gly Thr
3591 820 825 830
3594 Cys Cys Thr Thr Cys Ala Gly Gly Gly Ala Ala Gly Gly Gly Thr Thr
3595 835 840 845
3598 Ala Cys Ala Gly Gly Ala Thr Thr Cys Ala Cys Cys Ala Cys Thr Gly
3599 850 855 860
3602 Gly Gly Gly Thr Gly Thr Gly Gly Cys Cys Thr Ala Thr Cys Thr Gly
3603 865 870 875 880
3606 Cys Thr Gly Thr Thr Ala Gly Gly Ala Cys Cys Thr Gly Ala Ala Thr
3607 885 890 895
3610 Thr Gly Cys Cys Thr Gly Gly Ala Gly Thr Gly Thr Thr Thr Cys Thr
3611 900 905 910
3614 Ala Gly Thr Thr Cys Cys Cys Ala Cys Thr Ala Gly Thr Thr Gly Thr
3615 915 920 925
3618 Thr Gly Ala Ala Cys Thr Thr Thr Ala Cys
3619 930 935

```

3622 <210> SEQ ID NO: 6

3623 <211> LENGTH: 986

3624 <212> TYPE: PRT

3625 <213> ORGANISM: Mouse

><220>

3626 <223> OTHER INFORMATION: Promoter region of the mouse s-SHIP

OK-> 3628 <400> SEQUENCE: 6

```

3630 Gly Cys Ala Asn Thr Cys Thr Gly Ala Gly Gly Ala Cys Thr Cys Thr
3631 1 5 10 15
3634 Gly Cys Cys Ala Thr Cys Cys Thr Gly Gly Ala Gly Thr Cys Thr Cys
3635 20 25 30
3638 Thr Gly Cys Ala Gly Ala Gly Gly Thr Thr Gly Thr Thr Gly Ala
3639 35 40 45
3642 Cys Cys Ala Ala Cys Ala Gly Cys Thr Cys Thr Cys Cys Cys Cys Ala
3643 50 55 60
3646 Gly Gly Cys Cys Thr Thr Cys Gly Cys Cys Cys Ala Cys Gly Ala Cys
3647 65 70 75 80
3650 Cys Thr Cys Ala Gly Gly Thr Ala Ala Gly Gly Gly Gly Thr Thr Thr
3651 85 90 95
3654 Gly Gly Ala Thr Thr Gly Gly Ala Ala Ala Gly Ala Thr Gly Cys
3655 100 105 110
3658 Ala Ala Thr Thr Gly Cys Thr Ala Thr Ala Gly Gly Ala Gly Gly Gly
3659 115 120 125
3662 Ala Cys Thr Cys Thr Gly Ala Ala Gly Gly Cys Ala Gly Ala Cys Ala
3663 130 135 140
3666 Gly Ala Cys Gly Cys Ala Cys Cys Gly Cys Cys Thr Cys Cys Thr Cys
3667 145 150 155 160
3670 Ala Cys Gly Thr Thr Gly Gly Cys Thr Ala Gly Thr Cys Thr Ala Ala
3671 165 170 175
3674 Thr Ala Thr Ala Ala Ala Cys Ala Thr Cys Gly Cys Gly Gly Thr Gly

```

# RAW SEQUENCE LISTING

PATENT APPLICATION: US/10/605,452

DATE: 10/01/2003

TIME: 08:08:23

Input Set : N:\efs\10605452\10605452.txt

Output Set: N:\CRF4\10012003\J605452.raw

```

3871          965          970          975
3874 Asn Cys Asn Cys Cys Ala Asn Cys Cys Cys
3875          980          985
3878 <210> SEQ ID NO: 7
3879 <211> LENGTH: 1001
3880 <212> TYPE: PRT
3881 <213> ORGANISM: Mouse
3882 <223> OTHER INFORMATION: Promoter region of the mouse s-SHIP
3884 <400> SEQUENCE: 7
3886 Gly Gly Gly Ala Gly Asn Asn Asn Asn Ala Ala Thr Thr Ala Gly Asn
3887 1          5          10          15
3890 Asn Ala Ala Gly Ala Asn Ala Asn Asn Asn Thr Thr Thr Thr Asn Thr
3891          20          25          30
3894 Thr Thr Thr Asn Ala Gly Gly Ala Cys Cys Gly Cys Asn Asn Thr Ala
3895          35          40          45
3898 Thr Gly Thr Thr Thr Ala Thr Asn Ala Gly Ala Ala Gly Ala Asn Asn
3899          50          55          60
3902 Gly Gly Asn Gly Ala Asn Asn Gly Ala Asn Asn Thr Asn Thr Ala Ala
3903 65          70          75          80
3906 Gly Gly Ala Asn Cys Ala Cys Cys Ala Asn Ala Gly Asn Cys Gly Asn
3907          85          90          95
3910 Cys Asn Asn Ala Ala Gly Gly Thr Thr Thr Thr Asn Ala Ala Thr Ala
3911          100         105         110
3914 Asn Asn Gly Ala Gly Gly Asn Ala Gly Asn Cys Gly Ala Asn Ala Ala
3915          115         120         125
3918 Ala Ala Ala Asn Ala Asn Thr Thr Thr Thr Asn Cys Ala Thr Asn Thr Asn
3919          130         135         140
3922 Thr Thr Thr Thr Gly Asn Cys Ala Cys Cys Asn Asn Gly Ala Asn Thr
3923 145         150         155         160
3926 Thr Thr Thr Gly Ala Ala Thr Ala Thr Asn Ala Asn Ala Thr Asn Ala
3927          165         170         175
3930 Thr Gly Ala Ala Ala Ala Asn Asn Asn Asn Thr Gly Thr Gly Thr Asn
3931          180         185         190
3934 Thr Gly Asn Asn Thr Gly Thr Gly Thr Gly Thr Asn Thr Gly Thr Asn
3935          195         200         205
3938 Thr Gly Thr Gly Thr Gly Asn Asn Thr Gly Thr Cys Thr Gly Thr Cys
3939          210         215         220
3942 Thr Ala Thr Asn Gly Gly Thr Gly Thr Gly Thr Gly Thr Gly Cys Asn
3943 225         230         235         240
3946 Ala Gly Asn Gly Ala Gly Thr Gly Ala Gly Thr Ala Gly Thr Gly Ala
3947          245         250         255
3950 Gly Gly Ala Gly Ala Gly Ala Asn Ala Ala Gly Ala Ala Ala Gly Asn
3951          260         265         270
3954 Ala Thr Ala Thr Gly Ala Gly Asn Ala Ala Ala Gly Asn Gly Cys Ala
3955          275         280         285
3958 Gly Cys Thr Thr Gly Cys Asn Ala Ala Gly Ala Gly Gly Gly Ala Thr
3959          290         295         300
3962 Cys Thr Cys Thr Cys Asn Thr Ala Cys Gly Gly Thr Gly Thr Gly Gly
3963 305         310         315         320

```



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RAW SEQUENCE LISTING

PATENT APPLICATION: US/10/605,452

DATE: 10/01/2003

TIME: 08:08:23

Input Set : N:\efs\10605452\10605452.txt

Output Set: N:\CRF4\10012003\J605452.raw

```

4063 705              710              715              720
4066 Ala Thr Cys Thr Gly Thr Thr Gly Gly Thr Gly Gly Ala Gly Cys Ala
4067              725              730              735
4070 Gly Cys Thr Gly Gly Gly Thr Thr Ala Cys Ala Cys Ala Thr Gly Gly
4071              740              745              750
4074 Gly Cys Gly Ala Gly Cys Thr Gly Gly Gly Cys Thr Cys Ala Gly Cys
4075              755              760              765
4078 Cys Gly Cys Gly Gly Thr Gly Cys Cys Ala Gly Cys Cys Ala Thr Thr
4079              770              775              780
4082 Thr Thr Thr Cys Cys Ala Gly Cys Ala Thr Gly Cys Thr Ala Thr Gly
4083 785              790              795              800
4086 Gly Ala Ala Thr Ala Thr Ala Gly Gly Gly Gly Thr Gly Thr Thr Ala
4087              805              810              815
4090 Thr Cys Ala Gly Gly Cys Cys Ala Gly Gly Gly Thr Gly Gly Gly Ala
4091              820              825              830
4094 Ala Ala Ala Gly Cys Cys Thr Gly Gly Gly Ala Ala Thr Ala Gly Cys
4095              835              840              845
4098 Gly Ala Gly Cys Cys Ala Gly Ala Thr Ala Gly Cys Cys Thr Cys Ala
4099              850              855              860
4102 Cys Cys Cys Gly Gly Gly Ala Cys Ala Thr Thr Gly Ala Cys Cys Ala
4103 865              870              875              880
4106 Thr Cys Cys Cys Ala Gly Cys Cys Ala Thr Gly Thr Ala Gly Ala Thr
4107              885              890              895
4110 Ala Ala Ala Thr Cys Ala Gly Ala Gly Thr Thr Gly Ala Cys Ala Thr
4111              900              905              910
4114 Cys Ala Cys Cys Ala Ala Ala Gly Cys Cys Ala Gly Cys Cys Ala Cys
4115              915              920              925
4118 Thr Gly Ala Cys Thr Gly Cys Ala Thr Gly Thr Cys Thr Thr Ala Thr
4119              930              935              940
4122 Gly Cys Thr Cys Thr Gly Ala Ala Gly Gly Thr Gly Ala Ala Gly Thr
4123 945              950              955              960
4126 Cys Ala Gly Ala Gly Thr Cys Cys Cys Thr Gly Gly Gly Cys Ala Thr
4127              965              970              975
4130 Thr Cys Cys Thr Cys Ala Gly Ala Ala Ala Ala Gly Cys Thr Cys Cys
4131              980              985              990
4134 Cys Ala Ala Ala Gly Gly Ala Asn Gly
4135              995              1000
4138 <210> SEQ ID NO: 8
4139 <211> LENGTH: 6498
4140 <212> TYPE: PRT
4141 <213> ORGANISM: Mouse
4142 <223> OTHER INFORMATION: Promoter region of the mouse s-SHIP
4144 <400> SEQUENCE: 8
4146 Gly Thr Ala Ala Cys Gly Gly Ala Gly Ala Gly Cys Cys Cys Thr Gly
4147 1              5              10              15
4150 Ala Gly Ala Gly Ala Gly Gly Gly Gly Thr Gly Gly Gly Gly Ala
4151              20              25              30
4154 Gly Cys Thr Thr Cys Ala Thr Gly Gly Thr Ala Ala Thr Gly Gly
4155              35              40              45

```

EX

9

RAW SEQUENCE LISTING

PATENT APPLICATION: US/10/605,452

DATE: 10/01/2003

TIME: 08:08:24

Input Set : N:\efs\10605452\10605452.txt

Output Set: N:\CRF4\10012003\J605452.raw

```

5823      6350      6355      6360
5826 Cys Cys Gly Gly Gly Cys Thr Thr Gly Thr Cys Cys Thr Thr Cys
5827      6365      6370      6375
5830 Ala Gly Gly Gly Ala Ala Gly Gly Gly Thr Thr Ala Cys Ala Gly
5831      6380      6385      6390
5834 Gly Ala Thr Thr Cys Ala Cys Cys Ala Cys Thr Gly Gly Gly Gly
5835      6395      6400      6405
5838 Thr Gly Thr Gly Gly Cys Cys Thr Ala Thr Cys Thr Gly Cys Thr
5839      6410      6415      6420
5842 Gly Thr Thr Ala Gly Gly Ala Cys Cys Thr Gly Ala Ala Thr Thr
5843      6425      6430      6435
5846 Gly Cys Cys Thr Gly Gly Ala Gly Thr Gly Thr Thr Thr Cys Thr
5847      6440      6445      6450
5850 Ala Gly Thr Thr Cys Cys Cys Ala Cys Thr Ala Gly Thr Thr Gly
5851      6455      6460      6465
5854 Thr Thr Gly Ala Ala Cys Thr Thr Thr Ala Cys Cys Thr Thr Gly
5855      6470      6475      6480
5858 Ala Ala Cys Cys Thr Cys Thr Gly Cys Thr Cys Cys Cys Ala Gly
5859      6485      6490      6495

```

5862 <210> SEQ ID NO: 9

5863 <211> LENGTH: 361

5864 <212> TYPE: PRT

5865 <213> ORGANISM: Human

>2207

5866 <223> OTHER INFORMATION: Promoter region of human s-SHIP.

OK-> 5868 <400> SEQUENCE: 9

```

5870 Ala Ala Thr Thr Thr Thr Cys Thr Ala Cys Ala Gly Gly Cys Thr Ala
5871 1      5      10      15
5874 Thr Ala Gly Ala Gly Thr Gly Cys Ala Gly Thr Thr Thr Gly Gly Cys
5875      20      25      30
5878 Thr Ala Ala Ala Gly Cys Ala Ala Ala Cys Cys Thr Ala Gly Gly
5879      35      40      45
5882 Thr Ala Cys Ala Gly Thr Cys Ala Gly Gly Gly Ala Cys Thr Ala Cys
5883      50      55      60
5886 Ala Cys Ala Ala Thr Thr Cys Cys Ala Gly Thr Thr Cys Gly Cys Thr
5887 65      70      75      80
5890 Gly Thr Gly Gly Gly Thr Thr Gly Gly Gly Ala Ala Gly Gly Gly Ala
5891      85      90      95
5894 Thr Gly Gly Gly Thr Gly Gly Gly Cys Cys Ala Gly Thr Gly Cys Thr
5895      100     105     110
5898 Gly Gly Cys Ala Ala Gly Cys Cys Thr Thr Gly Ala Thr Cys Thr Thr
5899      115     120     125
5902 Thr Gly Cys Cys Cys Gly Gly Gly Cys Thr Thr Gly Thr Cys Cys Thr
5903      130     135     140
5906 Thr Cys Thr Gly Gly Gly Gly Ala Gly Ala Ala Thr Thr Ala Cys Cys
5907 145     150     155     160
5910 Thr Gly Cys Thr Thr Cys Thr Gly Cys Thr Gly Gly Ala Cys Thr Gly
5911      165     170     175
5914 Ala Gly Gly Gly Thr Gly Cys Cys Cys Thr Cys Ala Thr Cys Thr Cys
5915      180     185     190

```

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RAW SEQUENCE LISTING

PATENT APPLICATION: US/10/605,452

DATE: 10/01/2003

TIME: 08:08:24

Input Set : N:\efs\10605452\10605452.txt

Output Set: N:\CRF4\10012003\J605452.raw

```

5918 Thr Gly Gly Cys Thr Ala Gly Ala Gly Cys Cys Cys Gly Thr Gly Cys
5919      195      200      205
5922 Thr Gly Cys Cys Ala Thr Gly Gly Ala Ala Gly Ala Cys Thr Cys Thr
5923      210      215      220
5926 Thr Thr Cys Cys Gly Gly Thr Gly Cys Cys Cys Ala Cys Thr Ala Ala
5927 225      230      235      240
5930 Ala Thr Cys Cys Thr Thr Gly Ala Thr Gly Thr Thr Cys Ala Cys Cys
5931      245      250      255
5934 Thr Thr Gly Thr Cys Cys Cys Cys Thr Gly Cys Cys Cys Cys Cys Ala
5935      260      265      270
5938 Gly Ala Gly Ala Ala Gly Thr Cys Ala Thr Cys Cys Gly Gly Ala Cys
5939      275      280      285
5942 Cys Cys Thr Cys Cys Cys Ala Thr Cys Cys Cys Thr Gly Gly Ala Gly
5943      290      295      300
5946 Thr Cys Thr Cys Thr Gly Cys Ala Gly Ala Gly Gly Thr Thr Ala Thr
5947 305      310      315      320
5950 Thr Thr Gly Ala Cys Cys Ala Gly Cys Ala Gly Cys Thr Cys Thr Cys
5951      325      330      335
5954 Cys Cys Cys Gly Gly Gly Cys Cys Thr Cys Cys Gly Thr Cys Cys Ala
5955      340      345      350
5958 Cys Gly Thr Cys Cys Thr Cys Ala Gly
5959      355      360
5962 <210> SEQ ID NO: 10
5963 <211> LENGTH: 279
5964 <212> TYPE: PRT
5965 <213> ORGANISM: Human
5966 <223> OTHER INFORMATION: Promoter region of human s-SHIP.
5968 <400> SEQUENCE: 10
5970 Gly Thr Ala Ala Thr Gly Gly Cys Thr Gly Gly Cys Cys Cys Ala Cys
5971 1      5      10      15
5974 Gly Gly Gly Gly Cys Gly Gly Gly Cys Ala Gly Gly Thr Gly Gly
5975      20      25      30
5978 Gly Gly Gly Cys Gly Gly Cys Cys Ala Cys Cys Ala Gly Gly Thr Gly
5979      35      40      45
5982 Ala Gly Ala Gly Ala Ala Ala Cys Ala Gly Cys Thr Cys Ala Thr Gly
5983      50      55      60
5986 Ala Gly Ala Gly Cys Gly Ala Cys Cys Thr Cys Thr Gly Cys Cys Thr
5987 65      70      75      80
5990 Cys Thr Gly Cys Cys Thr Gly Gly Cys Thr Gly Ala Ala Cys Ala Ala
5991      85      90      95
5994 Ala Thr Gly Cys Cys Thr Cys Thr Gly Cys Cys Gly Cys Ala Cys Thr
5995      100     105     110
5998 Cys Ala Cys Ala Ala Thr Ala Ala Thr Thr Gly Ala Gly Thr Gly Gly
5999      115     120     125
6002 Thr Gly Ala Gly Cys Ala Cys Ala Gly Cys Thr Thr Gly Gly Ala Ala
6003      130     135     140
6006 Ala Thr Cys Thr Cys Thr Gly Thr Gly Gly Thr Gly Thr Thr Thr
6007 145     150     155     160
6010 Gly Gly Ala Gly Gly Thr Cys Thr Thr Gly Thr Thr Ala Thr Cys Ala

```

OK->

>C2207

VERIFICATION SUMMARY

PATENT APPLICATION: US/10/605,452

DATE: 10/01/2003

TIME: 08:08:25

Input Set : N:\efs\10605452\10605452.txt

Output Set: N:\CRF4\10012003\J605452.raw

L:11 M:270 C: Current Application Number differs, Replaced Current Application No  
L:11 M:271 C: Current Filing Date differs, Replaced Current Filing Date  
L:24 M:200 E: Mandatory Header Field missing, <220> Tag not found for SEQ ID#:1  
L:1116 M:200 E: Mandatory Header Field missing, <220> Tag not found for SEQ ID#:2  
L:2160 M:200 E: Mandatory Header Field missing, <220> Tag not found for SEQ ID#:3  
L:3260 M:200 E: Mandatory Header Field missing, <220> Tag not found for SEQ ID#:4  
L:3384 M:200 E: Mandatory Header Field missing, <220> Tag not found for SEQ ID#:5  
L:3628 M:200 E: Mandatory Header Field missing, <220> Tag not found for SEQ ID#:6  
L:3884 M:200 E: Mandatory Header Field missing, <220> Tag not found for SEQ ID#:7  
L:4144 M:200 E: Mandatory Header Field missing, <220> Tag not found for SEQ ID#:8  
L:5868 M:200 E: Mandatory Header Field missing, <220> Tag not found for SEQ ID#:9  
L:5968 M:200 E: Mandatory Header Field missing, <220> Tag not found for SEQ ID#:10